

AMENDMENTS TO THE CLAIMS

In the Claims:

1. (Currently amended) A system for the remote assessment of a patient's medical condition comprising
a network computer system having specifiable network addresses;
remote from said network computer system, a patient electronic data collection system for locally collecting data relevant to the patient's medical condition;
a communicator for wirelessly communicating with an endpoint to said network computer system to enable transfer of said data to the network computer system, wherein the data includes a patient identifier; and
a secure access gateway permitting access to the data on the network computer system in response to a user authorization command
wherein said patient electronic data collection system forms part of a medicament delivery system that is under the control of the patient and that is arranged to collect data when the patient uses the medicament delivery system.
2. (Original) A system according to claim 1, wherein said patient electronic data collection system forms part of a patient monitoring system which collects data relevant to the patient's medical condition on a regular basis.
3. (Original) A system according to claim 2, wherein the patient electronic data collection system forms part of a patient monitoring system which collects data relevant to the patient's medical condition on a continuous basis.
4. (Previously presented) A system according to Claim 1, wherein said patient monitoring system forms part of a compliance monitoring system arranged to monitor patient compliance with a particular treatment regime.
5. (Cancelled)

6. (Original) A system according to claim 5, wherein the medicament delivery system provides respirable delivery of medicament to the patient.

7. (Original) A system according to claim 5, wherein the medicament delivery system provides injectable delivery of medicament to the patient.

8. (Original) A system according to claim 5, wherein the medicament delivery system is an implant in the body of the patient.

9. (Previously presented) A system according to Claim 1, wherein the data is communicable between the patient electronic data collection system and the network computer system in encrypted form.

10. (Previously presented) A system according to Claim 1, wherein the data is continuously communicable between the patient electronic data collection system and the network computer system.

11. (Previously presented) A system according to Claim 1, wherein the data is communicable in packet form between the patient electronic data collection system and the network computer system.

12. (Previously presented) A system according to Claim 1, wherein the secure access gateway is password protected.

13. (Previously presented) A system according to Claim 1, wherein the secure access gateway enables different levels of access authorization to the data to be assigned to different authorized users.

14. (Previously presented) A system according to Claim 1, wherein the authorized users are selected from the group consisting of the patient, a

healthcare professional, a pharmacist, an emergency assistance provider, a research professional, a database manager and any combinations thereof.

15. (Previously presented) A system according to Claim 1, wherein information from a patient-remote datasource is made available to the network computer system.

16. (Original) A system according to claim 15, wherein the patient-remote datasource comprises data relating to ambient environmental conditions.

17. (Original) A system according to claim 15, wherein the patient-remote datasource comprises a database of prescribable medicaments.

18. (Previously presented) A system according to Claim 1, wherein the patient electronic data collection system further comprises a patient electronic data management system comprising

- a memory for storage of data;
- a microprocessor for performing operations on said data; and
- a transmitter for transmitting a signal relating to the data or the outcome of an operation on the data.

19. (Original) A system according to claim 18, wherein said patient electronic data management system additionally comprises a geographic positioning system.

20. (Previously presented) A system according to Claim 18, wherein the communicator enables two-way transfer of data between the network computer system and the patient electronic data management system.

21. (Previously presented) A system according to Claim 1, additionally comprising an authorized user data communicator comprising

an authorized user electronic data management system comprising
a memory for storage of data;
a microprocessor for performing operations on said data; and
a transmitter for transmitting a signal relating to the data or the outcome of
an operation on the data; and
a communicator for wirelessly communicating with an endpoint to a
network computer system to enable communication of data between the network
computer system and the authorized user electronic data management system.

22. (Previously presented) A system according to claim 21 for the
remote assessment of a patient's medical condition and remote prescription
therefor comprising

a first authorized user data communicator capable of communicating a
prescription authorization command to the network computer system; and
a second authorized user data communicator capable of receiving a
prescription authorization command from the network computer system.

23. (Previously presented) A system according to Claim 1, wherein any
communicator employs radiofrequency or optical signals.

24. (Previously presented) A system according to Claim 1, wherein any
communicator communicates directly with the network computer system.

25. (Cancelled)

26. (Previously presented) A system according to Claim 1, wherein the
communicator communicates with the network computer system via a second
communications device having telecommunications capability.

27. (Original) A system according to claim 26, wherein the telecommunications device comprises a cellular phone or pager.

28. (Previously presented) A system according to Claim 25, wherein the communicator communicates with the second communications device using spread spectrum radiofrequency signals.

29. (Previously presented) A system according to Claim 1, wherein the network computer system comprises a public access network computer system.

30. (Previously presented) A system according to Claim 1, wherein the network computer system comprises a private access network computer system.

31. (Previously presented) A system according to Claim 1, wherein the patient-specific network address is selected from the group consisting of a web-site address, an e-mail address and a file transfer protocol address.

32. (Previously presented) A system according to Claim 18, wherein the patient electronic data management system additionally comprises a data input system for patient input of data to the electronic data management system.

33. (Previously presented) A system according to claim 32, wherein said data input system comprises a keypad.

34. (Previously presented) A system according to Claim 18, additionally comprising a display for display of data from the patient electronic data management system to the patient.

35. (Previously presented) A system according to Claim 1 for the remote assessment of a patient's respiratory condition additionally comprising a

sensor which senses the breath of a user, wherein the sensor communicates breath data to the patient electronic data collection system.

36. (Original) A system according to claim 35, wherein said sensor comprises a breath-movable element which is movable in response to the breath of a patient.

37. (Original) A system according to claim 36, wherein said breath-movable element is selected from the group consisting of a vane, a sail, a piston and an impeller.

38. (Original) A system according to claim 35, wherein the sensor comprises a pressure sensor for sensing the pressure profile associated with the breath of a user.

39. (Original) A system according to claim 35, wherein the sensor comprises an airflow sensor for sensing the airflow profile associated with the breath of a user.

40. (Original) A system according to claim 35, wherein the sensor comprises a temperature sensor for sensing the temperature profile associated with the breath of a user.

41. (Original) A system according to claim 35, wherein the sensor comprises a moisture sensor for sensing the moisture profile associated with the breath of a user.

42. (Original) A system according to claim 35, wherein the sensor comprises a gas sensor for sensing the oxygen or carbon dioxide profile associated with the breath of a user.

43. (Previously presented) A system according to Claim 35, wherein said breath data includes breath cycle data.

44. (Previously presented) A system according to Claim 35, wherein said breath data includes peak flow data.

45. (Previously presented) A system according to Claim 1 for the remote assessment of a patient's cardiovascular condition additionally comprising a sensor which senses the cardiovascular activity of a patient, wherein the sensor communicates cardiovascular data to the electronic data collection system.

46. (Original) A system according to claim 45, wherein said sensor measures the blood pressure of the patient.

47. (Currently amended) A method for remotely assessing a patient's medical condition comprising

locally collecting data relevant to the patient's medical condition in electronic form;

wirelessly communicating with an endpoint to a remote network computer system to enable transfer of said data to said remote network computer system; and

permitting authorized user access to the data on the remote network computer system via a secure access gateway

wherein said step of collecting data utilizes a patient electronic data collection system that forms part of a medicament delivery system that is under the control of the patient and that is arranged such that data is collected when the patient uses the medicament delivery system.

48. (Original) A method according to claim 47, comprising collecting the data on a regular basis.

49. (Original) A method according to claim 47, comprising collecting the data on a continuous basis.

50. (Previously presented) A method according to Claim 47, comprising wirelessly communicating the data in encrypted form.

51. (Previously presented) A method according to Claim 47, wherein the data is continuously communicable.

52. (Previously presented) A method according to Claim 47, wherein the data is communicable in packet form.

53. (Previously presented) A method according to Claim 47, comprising permitting different levels of access to the data to different authorized users.

54. (Previously presented) A method according to Claim 47 for remotely assessing a patient's condition and remotely prescribing therefor additionally comprising

- a first authorized user communicating a prescription authorization command to the network computer system;

- a second authorized user receiving said prescription authorization command from the network computer system; and

- said second authorized user preparing the prescription based on the prescription authorization.

55. (Previously presented) A method according to Claim 47 for remotely assessing a patient's condition and remotely prescribing therefor additionally comprising

- a first authorized user communicating a prescription authorization command to a pharmacy network computer system;

a second authorized user receiving said prescription authorization command from the pharmacy network computer system; and
said second authorized user preparing the prescription for the patient based on the prescription authorization,
wherein the pharmacy network computer system is arranged for communication with the network computer system.

56. (Previously presented) A method according to Claim 54, wherein the first authorized user communicates the prescription authorization in response to a 'update prescription' alerting signal visible at the patient-specific network address.

57-61. (Cancelled).

62. (New) A system for the remote assessment of a patient's medical condition comprising
a network computer system having specifiable network addresses;
remote from said network computer system, a patient electronic data collection system for locally collecting data relevant to the patient's medical condition;
a communicator for wirelessly communicating with an entrapoint to said network computer system to enable transfer of said data to the network computer system, wherein the data includes a patient identifier; and
a secure access gateway permitting access to the data on the network computer system in response to a user authorisation command,
wherein the patient electronic data collection system forms part of a medicament delivery system and is arranged to collect data when the patient uses the medicament delivery system,
and wherein a patient-remote datasource is made available to the network computer system such that information relating to a clinical trials protocol is transferable thereto.

63. (New) A system according to claim 62, wherein the patient electronic data collection system further comprises a patient electronic data management system comprising

- a memory for storage of data;
- a microprocessor for performing operations on said data; and
- a transmitter for transmitting a signal relating to the data or the outcome of an operation on the data.

64. (New) A system according to claim 63, wherein the communicator enables two-way transfer of data between the network computer system and the patient electronic data management system.

65. (New) A system according to claim 64, wherein said information relating to a clinical trials protocol is transferable between the network computer system and the patient electronic data management system.

66. (New) A system according to claim 64, wherein information relating to patient compliance is transferable between the patient electronic data management system and the network computer system.

67. (New) A system for the remote assessment of a patient's medical condition comprising

- a network computer system having specifiable network addresses;
- remote from said network computer system, a patient electronic data collection system for locally collecting data relevant to the patient's medical condition;
- a communicator for wirelessly communicating with an endpoint to said network computer system to enable transfer of said data to the network computer system, wherein the data includes a patient identifier; and

a secure access gateway permitting access to the data on the network computer system in response to a user authorisation command,

wherein the patient electronic data collection system forms part of a medicament delivery system and is arranged to collect data when the patient uses the medicament delivery system,

and wherein a patient-remote datasource is made available to the network computer system such that information relating to changes to prescription details is transferable thereto.

68. (New) A system for the remote assessment of a patient's medical condition comprising

a network computer system having specifiable network addresses;

remote from said network computer system, a patient electronic data collection system for locally collecting data relevant to the patient's medical condition;

a communicator for wirelessly communicating with an endpoint to said network computer system to enable transfer of said data to the network computer system, wherein the data includes a patient identifier; and

a secure access gateway permitting access to the data on the network computer system in response to a user authorisation command,

wherein the patient electronic data collection system forms part of a medicament delivery system,

and wherein the medicament delivery system comprises a selector for selecting the amount of medicament to deliver, wherein the selector is operable in response to a signal from a transmitter.

69. (New) A system according to claim 68, wherein the patient electronic data collection system is arranged to collect data when the patient uses the medicament delivery system.

70. (New) A system according to claim 68, wherein the medicament delivery system comprises a medicament container and a dispensing mechanism.

71. (New) A system according to claim 70, wherein the selector comprises a timing mechanism for varying the time interval of actuation of the dispensing mechanism.

72. (New) A system according to claim 70, wherein the selector comprises a metering mechanism between the medicament container and the dispensing mechanism for metering a variable quantity of medicament for dispensing.